



The Timken Company

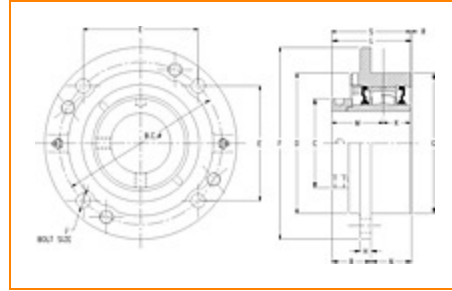
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Part Number QMC15J215S, Eccentric Piloted Flange Cartridge



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Specifications

Engineering Group Mounted Bearing

Bearing Number 22215

Shaft Size 2 15/16 in

Shaft Size Type Imperial

Full Timken Part Number

- QMC15J215SB
- QMC15J215SC
- QMC15J215SEB
- QMC15J215SEC
- QMC15J215SEM
- QMC15J215SEN
- QMC15J215SEO
- QMC15J215SET
- QMC15J215SM
- QMC15J215SMNP
- QMC15J215SN
- QMC15J215SO
- QMC15J215ST



Locking Style	Eccentric
Housing Construction	Piloted Flange Cartridge
UPC Code	0883450059824 0883450059831 0883450059855 0883450059862 0883450059879 0883450059886 0883450059893 0883450059909 0883450165693 0883450166119 0883450257954 0883450258333 0883450958684

Dimensions

Dimension BC	7-1/2 in 190.5 mm
Dimension B Exp	2.54 in 64.5 mm
Dimension B Fix	2.46 in 62.5 mm
Dimension C	4.01 in 101.9 mm
Dimension D	6.38 in 162.1 mm
Dimension E	5.3 in 134.6 mm
Dimension F	8-3/4 in 222.3 mm
Dimension G	6.375 in 161.9 mm

Dimension H	0.81 in 20.6 mm
Dimension J (Bolt Size)	0.625 in 16 mm
Dimension K	1.25 in 31.8 mm
Dimension L Exp	3.8 in 96.5 mm
Dimension L Fix	3.72 in 94.5 mm
Dimension M	2.37 in 60.2 mm
Dimension N	1.25 in 31.8 mm
Dimension R	0.09 in 2.3 mm
Dimension S	3.62 in 91.9 mm

Radial and Thrust Factors

C0 - Static Load	54100 lbf 240000 N
C - Dynamic Load (Basic)	49900 lbf 222000 N
e - Geometry Factor	0.22
Y1 - Geometry Factor	3.14
Y2 - Geometry Factor	4.67

Engineering Seal Speed

Oil Lubrication - M/N Seal	1600 rpm
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Oil Lubrication - T Seal	2900 rpm
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Oil Lubrication - B/C/O Seal	1300 rpm
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Grease Lubrication - M/N Seal	1600 rpm
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Grease Lubrication - T Seal	2400 rpm
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Grease Lubrication - B/C/O Seal	1300 rpm
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Engineering Bearing Attributes

Float	0.083 in 2.108 mm
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Shaft Tolerance	0.0020 in 0.051 mm
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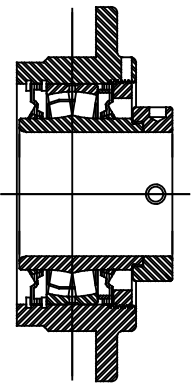
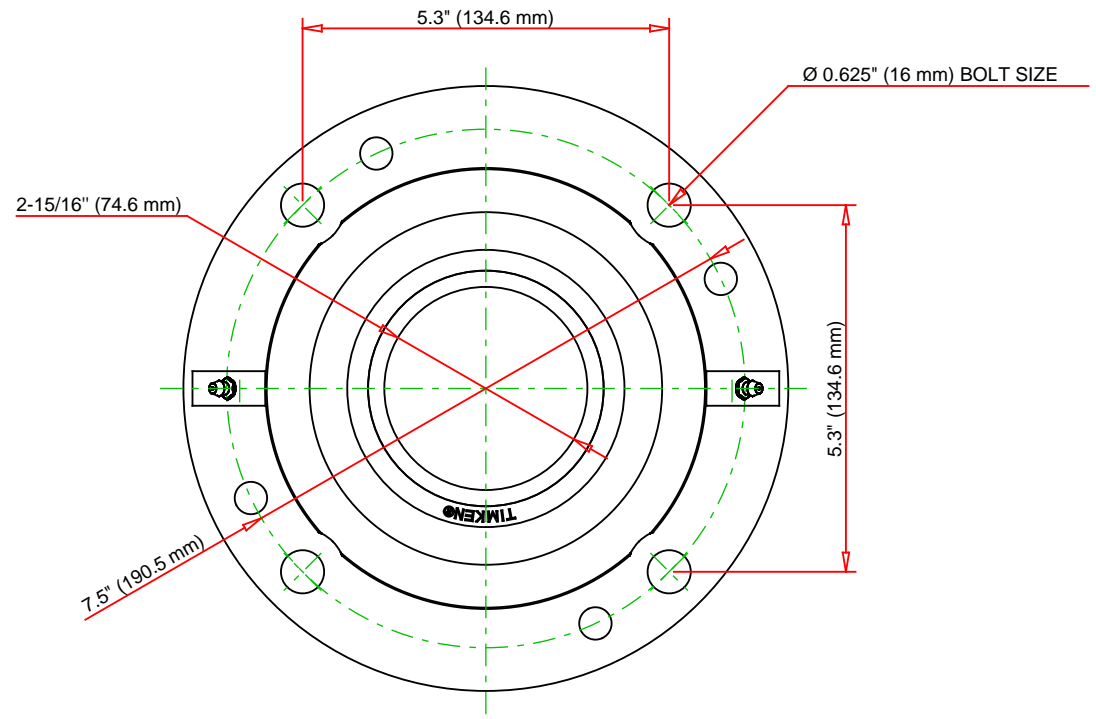
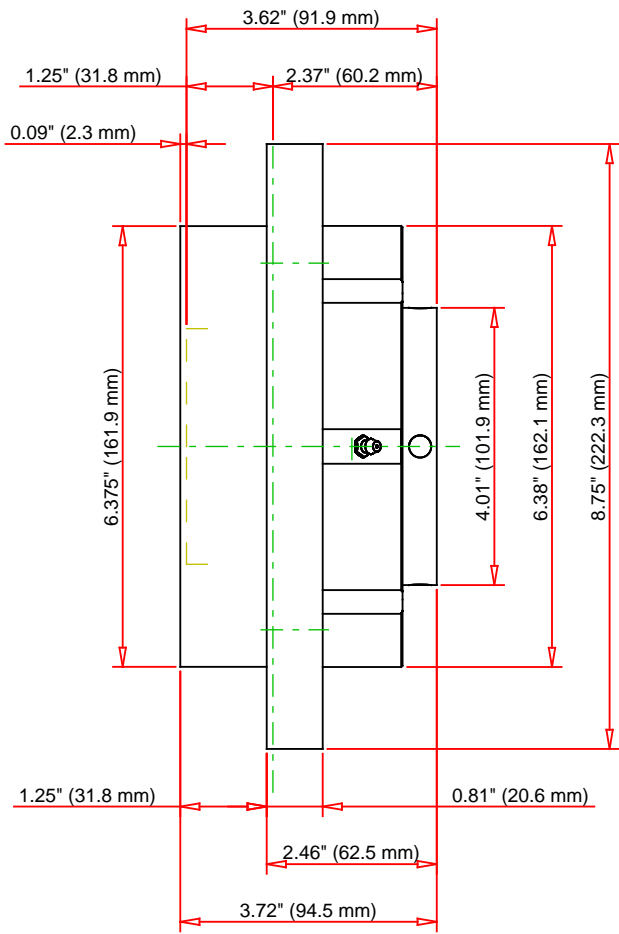
Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0020
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Eng Internal Radial Clearance - Max	0.0031
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Pre Install Clearance Min	0.0020 in 0.050 mm
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Pre Install Clearance Max	0.0031 in 0.080 mm
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Note: Section View not to Scale

C - Dynamic Load	49900	lbf	222000	N
C0 - Static Load	54100	lbf	240000	N
Weight	22	lb	10	kg
Max. Speed T-Seals & Grease	2400	rpm		
Rad. Clearance - Max.	0.0031			

TIMKEN
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NORTH CANTON, OHIO USA

QMC15J215S
Eccentric Piloted Flange Cartridge

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